Mountain Weather Forecast

Lake District National Park

Forecast valid from 00:00 on Sunday 14 Mar 2021 until 23:59 on Monday 15 Mar 2021

Forecast Issued on Saturday 13 Mar 2021 at 09:27

Confidence: High confidence for High pressure building over the next few days from the west but lower confidence in timings of weak weather fronts that will cross the Lake District at times and how much cloud and rain will be associated with them. High confidence in fresh or strong northwesterly winds throughout the forecast period.

Headline for Sunday 14 Mar 2021: Northwesterly gales with outbreaks of snow and sleet increasingly turning to rain.

Mountain weather hazards on Sunday 14 Mar 2021

Blizzards No Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** No Likelihood
Gales Medium Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Cloudy	Light snow showers (night)	Light snow showers	Light snow showers	Sleet	Sleet	Cloudy	Partly cloudy (night)
Precipitation probability							
20%	20%	40%	60%	70%	70%	30%	10%

Forecast for Sunday 14 Mar 2021

Weather: A few clear spells overnight but also one or two wintery showers. During the morning it will be a mixture of cloud and a few light showers, a period of more definite rain or sleet around lunchtime is likely and quite cloudy too. Rain clears through in the afternoon and there should be some cloud breaks by dusk.

Chance of cloud free mountain/hill tops above 800m: 40%, cloud will lower below summits in showers and during rain in the morning, some good views from the tops at times.

Visibility: Cloud bases are likely to lower to 600m at times in showers and around 5-600m in rain around lunchtime and visibility below the cloud will also become moderate or poor for a time. Out with rain and showers there will be period when the cloud is well above the summits affording some views across the fells.

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Forecast for Sunday 14 Mar 2021

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	38/46 NW	41/50 W	40/49 NW	34/44 W	34/44 W	40/50 W	40/51 NW	34/44 NW	32/41 NW
600	25/35 NW	30/41 W	29/40 W	28/38 W	29/40 W	30/41 W	29/42 NW	25/36 NW	23/34 NW
300	9/28 NW	13/34 NW	12/32 NW	13/32 W	13/32 W	11/32 W	12/33 NW	11/28 NW	10/26 NW
Valley	8/26 NW	12/31 W	11/29 W	13/31 W	13/30 W	11/31 W	11/30 NW	10/25 NW	10/23 NW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-2/-11	-2/-11	-2/-11	-1/-10	-1/-10	0/-8	1/-7	0/-8	-0/-8
600	0/-7	1/-7	1/-7	1/-6	1/-6	2/-5	3/-4	2/-4	2/-5
300	2/-1	3/-2	3/-1	3/-1	4/-1	4/1	5/2	5/1	4/1
Valley	4/1	5/1	5/2	5/2	6/2	6/3	7/4	6/4	6/3
Freezing Level*	600m	700m	700m	700m	700m	1100m	1100m	1000m	900m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Freezing level rising towards the summits with precipitation turning readily to sleet or rain rather than snow except on the higher tops. Still a significant wind chill in the Northwesterly gales.

Forecast for Monday 15 Mar 2021

Weather: Some cloud breaks are likely overnight and during Monday morning. Cloud occasionally thickening enough to give a few spots of rain but there should also be some brighter or sunny spells during the day. More in the way of cloud later as rain spreads east during the evening.

Maximum wind: Northwesterly 15-20mph with gusts 35-30mph.

Chance of cloud free mountain/hill tops above 800m: 70% cloud generally above the fell tops, perhaps later in the day cloud beginning to shroud the fell tops.

Visibility: Cloud bases will generally be above the tops however at times there will be patches of cloud around 700m and later in the day as a band of rain pushes in cloud will lower to 600m. Visibility will generally be good during the day with some views across to other fell tops.

Temperature: **Valleys:** Plus 4 rising to 10 Celsius.
At 800m: Plus 2 Celsius.
Freezing level: Around 1000m.

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Saturday 13 March 2021. Location: Helvellyn summit at 11:20 Full report: Here is today's report: A substantial amount of snow fell overnight and has settled down to roughly 400-450m on the western side of Helvellyn and many of the surrounding Cumbrian Fells once again have a white coat. Strong westerly winds continue to transport snow over high and exposed ground with substantial (knee deep) accumulations building in sheltered areas and on lee slopes with a north through east orientation. Cornices are building around corrie rims and potentially unstable windslab is also present in these locations as well as along ridge flanks. Old refrozen snow (neve) and ice also lie underneath in some places. On the Helvellyn plateau, many of the paths are buried or partially buried under deep drifts of snow and can't be relied upon to find your way in poor visibility. Routes such as Striding and Swirral edge are in full winter condition and should only be attempted by those with sufficient winter mountaineering experience and ability, and good judgement. Temperature: minus 2.7 C, Maximum wind speed 33.8 mph, Wind chill: minus 13.6 C, Average wind speed: 27.8 mph

Issued at: 0927 on Sat 13 Mar 2021

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